

Cont
A²

trigger or FER trigger as described below with reference to Fig. 3 which is used to select the MCS to be used to make a packet data transmission on the forward channel from a group of selectable MCSs. At point 102, the BTS schedules the next transmission slot of each forward shared channel for which multiple MSs contend. Scheduling is based on the QoS requirement of each MS user. Once a particular MS has been scheduled for the next transmission slot at point 104, the BS selects the optimal MCS to fulfill the required QoS. At point 106, the BTS updates the dynamic statistics of average throughput, FER and delay for the MS for the next process cycle as described below with reference to Fig. 5.

Please replace the Abstract as follows:

ABSTRACT

A³

The invention is a process and system for controlling selection of which MS is to receive the next packet data transmission on a forward channel and selection of which plural MCS is to be used for the packet data transmissions on the forward channel. A process for controlling selection of MCS method to be used by a BTS (10) to transmit data packets over a forward shared channel to a MS (12) in accordance with the invention stores information at the base transceiver station BTS, the information containing MCS methods which may be selected to transmit data packets over the forward shared channel to the MS; receiving from the MS at the BTS a quality indication of transmission of data packets over the forward channel to the ~~BTS~~ MS; and selecting a MCS method

from a plurality of MCS methods which may be used to transmit data packets on the forward channel dependent upon the received quality indication.
